

12th Annual STEAG Seminar

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International Seminar
on
“Waste to Energy”
31st January 2020

Venue: Silver Oak Hall, India Habitat Centre, Lodhi Road, New Delhi



Organized by

STEAG Energy Services (India) Pvt. Ltd
in association with NTPC, POSOCO, TERI & GIZ
Supported by
MNRE, Government of India

Background

Most of the wastes generated in the country, find their way into land and water bodies without proper treatment causing severe pollution. They also emit greenhouse gases like methane and carbon dioxide that add to air pollution. The total waste generation in India presently hovers around 60-65 MT per annum, of which only 20% is actually treated. Municipal Solid Waste (MSW) holds a significant chunk of 75% of the total waste generated in the country. Rapid urbanization in India will increase generation of waste. It is estimated that the amount of waste generated in India will increase at a per capita rate of approximately 1-1.33% annually. This has significant impact on the amount of land needed for disposal, economic costs of collecting and transporting waste, and the environmental consequences of untreated Municipal Solid Waste.

The problems caused by solid and liquid wastes can be significantly mitigated through the adoption of environmentfriendly waste-to-energy technologies that will allow treatment and processing of wastes before their disposal. Energy can be recovered through thermal, thermo-chemical, biochemical and electro-chemical methods. These measures would reduce the quantity of wastes and could be a source of substantial quantity of energy. With growing public awareness about sanitation and with increasing pressure on the government and urban local bodies to manage waste more efficiently, the Indian waste to energy sector is poised to grow at a rapid pace in the years to come. The pressing needs of waste management and potential for increasing renewable energy are creating opportunities in the waste to energy sector.

In India large numbers of projects on Waste to Energy are planned or are under execution. There are however major challenges and issues associated with Waste to Energy projects. Some of them are:

- Waste-to-Energy is still a new concept in the country
- Most of the proven and commercially viable technologies in respect of urban wastes are required to be imported and adapted to suit Indian conditions.
- In view of low level of compliance of MSW Rules 2000 by the Municipal Corporations/ Urban Local Bodies, segregated municipal solid waste is generally not available at the plant site.
- Financial challenges created by poor investment by urban bodies.

To meet above challenges it was thought necessary to deliberate on all aspects of Waste to Energy and gain from international experiences. STEAG Energy Services (India), a wholly owned subsidiary of STEAG Energy Services GmbH, in association with NTPC, POSOCO, TERI and GIZ with support from MNRE, Govt. of India are organizing an International Seminar on "Waste to Energy" on 31.01.2020 at the India Habitat Centre, New Delhi. STEAG Energy Services, GmbH owns Waste to Energy plants and have long experience in providing related services to the Municipal organizations in Germany.

The seminar is aimed at sharing knowledge and experiences at International and National level in all aspects of Waste to Energy amongst various stakeholders – Policy makers, Regulators, Municipal Corporations, State Authorities responsible for Local Self Government, Technology Companies, Financial Institutions associated with Renewable Energy, Consulting and Management organizations.

Focus Areas

The focus areas of the seminar are:

- **Technologies related to Waste to Energy**
- **Challenges and experience in implementing and managing Waste to Energy projects**
- **Regulatory and Financial issues.**

Speakers

The lead speaker will be Prof. Dr. Wolfgang Benesch from STEAG Energy Services, Germany. Following dignitaries have been requested / consented to deliver their addresses at the inaugural session:

1. **Secretary, MNRE, Government of India** (Requested)
2. **Secretary, Ministry of Power, Government of India** (Requested)
3. **Secretary, Ministry of Urban Development** (Requested)
4. **Chairman, CERC**
5. **Member, CERC**
6. **Joint Secretary, MNRE, Government of India**
7. **CMD, NTPC**
8. **Director General, TERI**
9. **CEO, STEAG Energy Services, Germany**

Other eminent speakers from NTPC, IREDA, International Society of Waste Management, Air and Water (ISWMAW), PWC, STEAG - Germany, Kinsei Sangyo – Japan, GJ Eco Power - U.K. and Enersol - USA will participate in the technical sessions.

Who should attend:

Policy makers, Regulators, Municipal Corporations, State Authorities responsible for Local Self Government, Technology Companies, Financial Institutions associated with Renewable Energy, Consulting and Management organizations.

Delegate fee:

No delegate fee will be charged for participants from Central and State Government and Municipal Authorities. For others Rupees 20,000/- (including GST) per delegate to be paid through Demand Draft/ Bank Draft in the name of **STEAG Energy Services (India) Pvt. Ltd. payable at New Delhi/ Noida.** Delegate fees as well as registration form may be sent to:

Ms. Monika Mazumdar, Manager (Training & Advisory Services), STEAG Energy Services (India) Pvt. Ltd.
A-30, Sector -16, Noida - 201301, Uttar Pradesh
Email : m.mazumdar@steag.in

Delegate Fee may also be paid online as per following details:

Account Name - **STEAG Energy Services (India) Pvt. Ltd.**
Account Number - **13512320000815**
Bank Name and address - **HDFC Bank Ltd., B 222-223, Sector 16, NOIDA –201301, U.P.**
IFSC/RTGS code - **HDFC0001351**